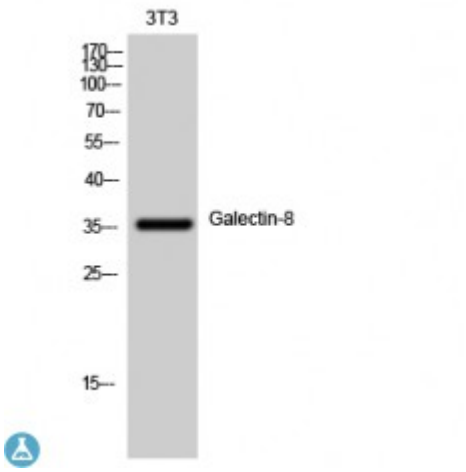
Anti-Galectin-8 antibody



Description	Rabbit polyclonal to Galectin-8.

Model	STJ93205
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Galectin-8
Immunogen Region	30-110 aa, Internal
Gene ID	3964
Gene Symbol	LGALS8
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Galectin-8 Polyclonal Antibody detects endogenous levels of Galectin-8 protein.
Tissue Specificity	Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Galectin-8 Gal-8 Po66 carbohydrate-binding protein Po66-CBP Prostate carcinoma tumor antigen 1 PCTA-1
Molecular Weight	36 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6569OMIM:606099
Alternative Names	Galectin-8 Gal-8 Po66 carbohydrate-binding protein Po66-CBP Prostate carcinoma tumor antigen 1 PCTA-1
Function	Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by infection and restricts the proliferation of infecting pathogens by targeting them for autophagy . Detects membrane rupture by binding beta-galactoside ligands located on the lumenal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture . Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 . Required to restrict infection of bacterial invasion such as S.typhimurium . Also required to restrict infection of Picornaviridae viruses . Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans .
Sequence and Domain Family	Contains two homologous but distinct carbohydrate-binding domains.
Cellular Localization	Cytoplasmic vesicle Cytoplasm, cytosol